substation system may be designed in a relatively short period of time. Subsequently, the user may be requested to identify whether the user would like to modify the existing design, or prepare a list of building materials and cost estimates associated with the respective components in the unit substation, or other utility station.

BRIEF DESCRIPTION OF THE DRAWINGS

A more complete appreciation of the invention and many of the attendant advantages thereof will be readily obtained as the same becomes better understood by reference to the following detailed description when considered in connection with the accompanying drawings, wherein:

Figure 1 is a block diagram of a computer network according to the present invention, that interconnects a user terminal, with a print server, and database server;

Figure 2 is a flow chart of a process flow for designing a new 115 kV unit substation;

Figure 3 is a flow chart of a process flow for modifying an existing substation facility;

Figures 4A ~~and~~ 4B and 4C are a flow chart, showing a logical process flow, for either designing a new substation, modifying an existing facility, or preparing an estimate/material list;

Figure 5 is a perspective view of a 3-D rendering of a substation that may be designed from drawings produced with the present invention;

Figure 6 is a graphical user interface, showing a library of user selectable "symbols" that may be incorporated into a substation being designed;

Figure 7 is a plan view of components included in a unit substation being designed;

Figure 8 is a perspective 3-D rendering of the station shown in Figure 7;